

Date: Wed, 14 Jul 93 18:38:57 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #855  
To: Info-Hams

Info-Hams Digest                      Wed, 14 Jul 93                      Volume 93 : Issue    855

Today's Topics:

                    Altitude data needed.  
                    Antenna modelling software  
                    Comment on HW-100 ?  
Communities that unduly restrict Amateur Radio operations (2 msgs)  
Hearing CW in strange places (was: Old Ham  
Hearing CW in strange places (was: Old Hams never die, They just ...)  
                    Kenwood TH-28A and TH-78A  
                    MPF102 direct replacement !!!!  
                    New Ticket, need advice on 2m HTs  
PacComm Tiny-2 MKII and MC-NB96 Switching  
                    QSL address  
                    Recharging ALKALINE batteries  
Repeater systems with multiple transmitters  
                    RSGB Catalog(ue)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 14 Jul 93 22:29:12 GMT  
From: sgigate!odin!chuck.dallas.sgi.com!adams@RUTGERS.EDU  
Subject: Altitude data needed.  
To: info-hams@ucsd.edu

Another local source of altitude data is from your local airport  
FBO. get the FAA sectional charts. it's very important to pilots  
to know where the ground is!

73 de a Cessna 172 Pilot (please fasten your seat belts) dit dit  
aeronautical mobile grp cw :- ) like i got time to fly and work a  
paddle ;- ) NOT

--

"Be not too hard for life is short and nothing is given to man." - J. Baez

Chuck Adams, K5FO - CP60  
adams@sgi.com

-----  
Date: 14 Jul 93 08:09:59 GMT  
From: techbook.com!techbook.com!not-for-mail@uunet.uu.net  
Subject: Antenna modelling software  
To: info-hams@ucsd.edu

Swami Kumaresan (swamik@orca.NoSubdomain.NoDomain) wrote:  
: Hi

: Im looking for some antenna modeling software for  
: XWindows on a sparc1  
: Sunview  
: Macintosh

: Any help would be appreciated!  
: tn timer 73s  
: de kb1amb/aa

or maybe even for MS (Micro-Sloth) DOS.  
Thanks,  
Gene

--

Those who beat their swords into plowshares  
are destined to plow for those who don't.  
genew@techbook.COM  
Please direct flames to: genew@ucant.gethere.firmhere

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Date: Wed, 14 Jul 1993 13:30:32 GMT  
From: swrinde!cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!m2.dseg.ti.com!ernest!  
cmptrc!mitch@network.UCSD.EDU  
Subject: Comment on HW-100 ?  
To: info-hams@ucsd.edu

Yes, thats a good price. Right now I am using a HW101 and its a great little rig!

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Date: 14 Jul 93 22:08:14 GMT  
From: ogicse!uwm.edu!msuinfo!netnews.upenn.edu!mipg.upenn.edu!yee@network.UCSD.EDU  
Subject: Communities that unduly restrict Amateur Radio operations  
To: info-hams@ucsd.edu

>As I recall, no one was \*violating your rights\*.

You do recall the case correctly but let me explain once again why I feel the way that I do.

> Since you are asking to use their transmitting equipment,  
> the request for a copy of your license for their member files is  
> entirely reasonable.

The question of reasonable is what is at issue here.

First of all, as a private organization, a club has every right to make any restrictions it wishes (as far as I am concerned). In practice, this means that the restrictions must be "reasonable". Thus, a "reasonable" requirement on a application to a modelling agency might be the measurements of the applicant (for the purposes of the fitting of the dresses). For a ham radio club, this would be considered unreasonable and would quite possibly open the club to legal action; the club has no reason to require the person's physical measurements.

As a private organization, the club is entitled to infringe on someone's rights. This, however, does not make them right. It is my claim that the requirement is unjust. My reasons for resisting are simple: one must "think globally and act locally."

The question, therefore, becomes whether the requirement of a copy of the ham license is "reasonable" or not. Some would content that it is just as years ago, some contended that it is reasonable to have certain people sit at the back of the bus. After all, there is no "right" to sit at the front of the bus and the bus gets you to your destination no matter where you sit.

Ultimately, the question is whether the requirement is reasonable. One measure of reasonableness is whether they NEED the license. Using this requirement, the answer is no. In order to access the repeater (or use the autopatch) there is no requirement for the club to have a copy of the license. Some have argued that the amateur accessing the autopatch is the control operator; as a control operator, the club NEEDS the license. This argument is false. The amateur accessing the autopatch is not the control operator. [If there

are those who want to know the rational, I can post the reasons from Part 97].

Furthermore, it has been pointed out on the net that all the information on the license is public domain anyway. As such, there is no reason not to give the license. I claim otherwise; the fact that the information is available from other sources means that there is even less reason why the club needs it from me. The FCC database is more authoritative a source than my piece of paper which can be forged. The fact that the application to the club was sent to my FCC database address and the fact that the entire Board could have seen the actual license eliminates the flimsy reason that the photocopy is needed to prove my amateur status.

In addition, it was pointed out at the Board meeting that I should give it simply because, "there is absolutely nothing that the Board can do with the information anyway". This is not a good reason to give the license. On the contrary, it is a good reason why the club has no reason to ask for a photocopy. Since there is no need for the photocopy of the license, I claim that the request is an infringement.

Another point is whether it is sufficiently important to tilt at this particular windmill. Perhaps the requirement IS wrong but the issue is not sufficiently important to fight. This is a matter of personal choice. Just remember, rights are lost by erosion in exactly this kind of manner. We used to be able to protect ourselves in our own homes; in many states, we have lost this right. We used to have freedom of speech and assembly but for many years it was illegal to believe in Communism. To this day, we are not allowed to hear specific viewpoints from foreign dignitaries.

> You, on the other hand, were not reasonable, you  
> were paranoid, as you yourself earlier admitted.

As a side issue, I admitted that the refusal to submit the photocopy may have been paranoid since I had no reason to believe that the copy would be used in a manner that I would disagree with. I did not, however, admit that the refusal was unreasonable (and that the requirement was reasonable). This is the point that I am trying to raise! The time to prevent abuses is before they occur- not after it is too late.

In conclusion, some of the people following up this thread have resorted to name calling. One poster stated that if he were on the Board of Directors, he would have voted against me simply because I was a "twit". This is not the proper manner to state your case. I thank those who have responded to my post in a more rational manner. [While this article is posted to follow up a post by Mr. W. Kirsanoff, I am not implying that he has acted in an irrational manner. On the contrary, while I disagree with him, he does raise interesting points. We simply have different definitions of what is "reasonable".]

> My point is this, we routinely negotiate the area where our rights and  
> the rights of others conflict. If you choose to assert a right (not  
> providing a copy of your license to a radio club/installing an  
> outside antenna), accept the consequences (no membership/buying a  
> home elsewhere).

Here, we agree completely. There are costs to making a stand. I have decided that the benefits of resisting outweigh the costs. I choose to resist. The consequence is that I will not be a member but I also choose to explain why I believe that the rule is unjust. Hopefully, there is a club out there thinking of such a requirement who will modify the requirement to answer my arguments. Remember, the existence of a photocopy is not the only way to "prove" that someone is a license ham. If anything, it is one of the weaker ways.

> You may find that by taking a tactical loss, (give  
> them the copy/accept the restriction) you can be in a position to  
> change the offending policy.

Very true. Once again, this is a matter of cost/benefit. I believe that entering into a Catch-22 situation is too great a cost for the benefit of having the chance to fight the unjust rule directly.

--

411 Blockley Hall		Conway Yee, N2JWQ
418 Service Drive		yee@ming.mipg.upenn.edu (preferred)
Philadelphia, PA 19104		cy5@cunixa.cc.columbia.edu (forwarded to above)
(215) 662-6780		

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Date: 14 Jul 1993 18:34:39 GMT  
From: usc!cs.utexas.edu!uwm.edu!linac!unixhub!fnnews.fnal.gov!  
usenet@network.UCSD.EDU  
Subject: Communities that unduly restrict Amateur Radio operations  
To: info-hams@ucsd.edu

(Sorry, this is the first item I've ever posted and I didn't realize the line length is short. Reposting for readability. Tnx.)

In article <1993Jul12.200632.23803@pixar.com> Bruce@Pixar.com  
(Bruce Perens) writes:

>For instance, I'd never consider a home in a community with antenna  
>restrictions. However, I'd like to know if there's been any other anti-  
>ham activity in that community before I purchase a home there.

>If such a list were online for FTP access, it would be easy enough to  
>organize it as a hierarchical directory tree, with 50 directories for  
>U.S. states, each containing directories for counties, which would

>contain files for each community where there had been anti-ham  
>activity. It would be easy enough to make this accessible via a mail  
>server for the amateur packet network, as well.

For what it's worth, I think you need to be cognizant of title restrictions and restrictive deed covenants as well as local "anti-ham" ordinances. I have been looking for the last six months for a suitable property on which to build a new residence in Kane County, Illinois (about 40 miles west of the Chicago Loop). My understanding is that if I have the money to plant the steel I can go to a couple hundred feet in unincorporated Kane (still have to verify this at the county building dept.) but I have found only one subdivision that would allow me to construct an outdoor HF antenna. I didn't bite because it's in a mediocre school district.

A restrictive covenant is a document generated by the developer that is recorded with the deed for a property and it is supposed to be used to "preserve" the "character" of the subdivision. In the past the covenants would cover things like minimum building squarefootage, building set-backs, no raising of chickens and pigs in back yards, no rusted pick-up trucks on concrete blocks in the driveway, etc. However, in recent years they have been expanded to exclude everything other than a stereotypical suburban home. These things are drafted by real estate lawyers as standardized "boiler plate" and now the standard form (at least in my travela) always includes a specific prohibition of outdoor antennas and towers, except, in areas without cable, TVRO dishes, which are now very middle class items (they like their vegetables but not their hams). The most insidious device I've come across is "architectural review". The farmer who is cashing out his cornfield sets up himself and his wife and their "successors and assigns" as the subdivision's architectural review and aesthetics overseers. Before \*ANY\* structure can be built in the subdivision (including your house!), the review committee must approve the plans. Of course, when I ask if an HF antenna is architecturally acceptable the inevitable response is in the negative.

Please be aware that your acceptance of all covenants is implicit in your purchase of the property and that your neighbors have the right to bring civil action to coerce your compliance. This is completely separate and apart from any local zoning and building regulations. The duration of these nasty documents is generally 25 to 30 years from the date of the platting of the subdivision and they are binding on any subsequent purchaser; not just the original purchaser who bought from the developer. Thus you can get burned even if you buy an existing house from an individual homeowner. Zoning variances are possible (not easy), and favorable changes to the regulations can happen (but only with A LOT of local ham effort) since they are legislated by the municipality or county. You're stuck when it comes to turkey deed restrictions.

Fortunately, development plans and documents are public records and are available from the county plan commission and from the county recorder's office. Yes, it is a lot of leg work.

As a consequence of the foregoing, I have adopted the following policies and strategies to deal with the general anti-ham bias found in communities which I am otherwise financially capable of living in:

- 1) My first question is "How much?". My second question is "I need a copy of the restrictive covenants.". When they ask "Why do you want that? It's just the usual stuff.", I do not reveal my desire erect a sky-needle. I insist on the actual document. Verbal assurances are worth nothing and "no" is always the easiest answer, especially when "normal" buyers representing an easy, no effort sales commission are plentiful.
- 2) I do not inquire any further on a parcel if I find a potential restriction. In addition to outright prohibitions and architectural review, this can include clauses like "no outbuildings shall exceed sixteen feet in height or be greater than 400 square feet." Any additional effort is a waste of my time.
- 3) The documents for any promising parcel will be reviewed by an attorney who is familiar with real estate law as it affects hams before I will make any commitment whatsoever. If this means a trip to the recorder's office to get the documents, then so be it. I am working with a Chicago area attorney who is a ham and who has handled a number of area antenna cases. The typical real-estate-closer is not an acceptable substitute for a competent specialist and the specialist is well worth his fee.
- 4) I will try to confine my search to older subdivisions that are less likely to have anti-ham restrictions and to more rural areas. Even though I have a lot of big-city in me, this means I will consider moving out to the flatlands of DeKalb County, Illinois (60 mi. west of the Loop).

I've been through one tower hassle at a previous residence and, by doing my bookwork up front, I hope to never have another.

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+-----+
| Paul Kasley |
|   wa9vyb   |
+-----+
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Date: Wed, 14 Jul 1993 14:49:26 GMT

From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!  
cs.utexas.edu!csc.ti.com!tilde.csc.ti.com!mksol!mmrsrv!craigs@network.UCSD.EDU  
Subject: Hearing CW in strange places (was: Old Ham)

To: info-hams@ucsd.edu

I've often thought I've heard CW in the surround sound channels when watching CNN (and several other cable channels).....

But then again, I hear voices in the air condition fan motor :)

-Craig

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Craig S. Young, KA5BOU                      Email: craigs@lobby.ti.com  
Texas Instruments Incorporated              Phone: (214) 952-4616  
2501 W. University  
McKinney, TX 75070                      "I speak only for me, not TI"  
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Date: Wed, 14 Jul 1993 17:09:47 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!agate!linus!  
linus.mitre.org!mwvm.mitre.org!m14494@network.UCSD.EDU  
Subject: Hearing CW in strange places (was: Old Hams never die, They just ...)  
To: info-hams@ucsd.edu

Larry Kollar writes:

> I... kept hearing what sounded like low-  
> pitched CW coming out of the office...  
>... I realized what I was hearing was the  
> floppy drive on her Macintosh! Boy did [the wife] laugh..

My story is the flip side of this one: when I was very young, and just getting started in ham radio, I was puzzled to hear CW coming out of our oven! I listened closely, and quite clearly heard a string of Vs, and the letters NSS. Mystified, I asked a ham friend, who cleared things up. We were just a few miles from the big VLF Navy transmitter in Annapolis, from which station NSS transmitted operational messages to submarines. The signal was so strong that anything from a squeaky door hinge to a loose filling could pick it up. Some grease-coated metal-to-metal junction in the oven was acting enough like a diode to pick up the multi-megawatt signal. You just never know...

Mike, N4PDY

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\* These are my opinions only        \*  
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Date: Wed, 14 Jul 1993 20:41:21 GMT  
From: concert!gatech!howland.reston.ans.net!darwin.sura.net!uvaarpa!murdoch!  
livia.acs.Virginia.EDU!jeg7e@decwrl.dec.com  
Subject: Kenwood TH-28A and TH-78A  
To: info-hams@ucsd.edu

In article <9307141903.AA01459@pbr322.ceingebi.unam.mx>  
gosset@pbr322.ceingebi.unam.MX (Guillermo Gosset) writes:

>  
> I am a new ham looking for a good HT (2m or dualbander). I have read  
>recently many posts on the latest Yaesu and Alinco HTs and was wondering  
>how good are the kenwood TH-28A and TH-78A. I find those models interes-  
>ting because of the alphanumeric message paging system. Any comments  
>will be greatly appreciated.

Of course the alphanumeric message paging system only works between two Kenwoods  
with that feature. Truthfully I've never even heard of people making much use  
of simpler paging features. Consider carefully if such a feature, beyond being  
'neato' is going to be of much use to you. I own an IC-W2A and FT-530, both  
are very good radios for very diferent reasons.

Best luck!

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\\ \ / Jon Gefaell, Computer Systems Engineer        | Amateur Radio - KD4CQY  
  \\// Information Technology and Communications    | -Will chmod for food-  
   \ / The University of Virginia, Charlottesville | Hacker@Virginia.EDU  
Any opinions expressed herein are not intended to be construed as those of UVA

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Date: 14 Jul 93 22:36:42 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: MPF102 direct replacement !!!!!  
To: info-hams@ucsd.edu

In Europe try a 2n3819 -- haven't check the specs but they'll both work  
in VFOs and similar equipment.

Kevin Purcell N7WIM / G8UDP  
a-kevinp@microsoft.com  
Sit simplex, stulte!

-----  
Date: 14 Jul 1993 18:02:30 GMT  
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!hamblin.math.byu.edu!  
hamblin!bingh@ames.arpa  
Subject: New Ticket, need advice on 2m HTs  
To: info-hams@ucsd.edu

Howdy folks!

I've been looking at a couple of HTs here, and would like to know if any might have a preference. (I'm sure that you have heard this before!!) There is a possibility that I may be relocating to the Silicon Valley area shortly. I've heard that people there have a problem with intermod using dual-banders, and so I figger that I need to stick with a single bander. (Anyone care to refute that?)

Kenwood TH-28A

By far the nicest radio that I've seen, with the clock, autodialer, compact shape, etc. Will the 440 RX be a problem if I am concerned with intermod?

Yaesu FT-411E

It appears that there has been a thread on this unit in comparison with the 415. Anyone care to either summarize or point me in the direction of a summary?

Yaesu FT-415

Yaesu FT-416

Same note as for the 411.

Standard C188A

This is the slim version, and it appears to be pretty slick, but I'm afraid that I don't have enough information.

Any suggestions, comments, rags, rages, etc. etc. will be greatly appreciated. I'd be happy to post a summary to the net if there is any interest.

Curtis

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Curtis N. Bingham | \*\*\*\*\*  
Brigham Young University | \*\*\* You can't grep dead trees! \*\*\*  
bingh@genie.cs.byu.edu | \*\*\*\*\*  
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Date: 14 Jul 93 23:07:32 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: PacComm Tiny-2 MKII and MC-NB96 Switching  
To: info-hams@ucsd.edu

A few days ago I posted a message on Info Ham Digest about my inability to wire a PacComm TINY-2 MKII and MC-NB96 combination to be switchable between 1.2K and 9.6K operation, and I asked for advice. After continued tinkering, I succeeded in making the unit switchable, as described in the MC-NB96 manual. The difficulty appears to relate to the recovered clock trace on TNC header pins 13 and 14. When I cut the trace, switching between baud rates became possible.

--- Andy /VE1COR / acornwal@fox.nstn.ns.ca  
Andrew Cornwall  
Nova Scotia Department of Education  
Nova Scotia, Canada

-----  
Date: Wed, 14 Jul 1993 17:28:00 GMT  
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!  
wb9omc@purdue.edu  
Subject: QSL address  
To: info-hams@ucsd.edu

If anyone out there has the 1993 supplement to the North American callbook, could you email me an address for N5LXJ?

I really need his card badly as I don't hear Arkansas from Indiana very often....

Thanks!

Duane  
WB9OMC

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Date: Wed, 14 Jul 1993 18:06:26 EDT  
From: usc!math.ohio-state.edu!news2.uunet.ca!xenitec!lemsys!  
clemon@network.UCSD.EDU  
Subject: Recharging ALKALINE batteries  
To: info-hams@ucsd.edu

In article <1993Jul5.132848.17392@gagme.chi.il.us>, George Thurman writes:

> Does anyone reading this have this product. Does anyone know of  
> any other ALKALINE battery chargers manufactured by other companies.

>  
> Thanks  
>  
> George S. Thurman

Well, I don't have one but I was talking to a couple of people at work shortly after seeing one of these commercials (wondering if they were trying to pull a fast one or whether it only APPEARED to charge but it was only a surface charge). I heard (possibly rumour) that battery companies have known all along that alkaline batteries are rechargable (if built correctly) but kept that covered up in the interest of selling more batteries. It has also been said that these alkalines can only be charged something like 10-20 times whereas NiCds are ~500 times. Alkalines also have a lower internal resistance (suited for running transmitters, RC cars, photo flashes etc...) but alkalines have a MUCH higher capacity (ie. D-Cell is about 15Ah). There are apparently a lot of tradeoffs but I can see where rechargable alkalines would fit in.

As a side note, my schools A.R.C. has these "alkaline" batteries that were used as backup in commercial radio installations. I believe that NaOH is the electrolyte. I don't recall what material is used in alkaline DRY cells (will look it up) but.....

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Craig Lemon VE3XCL (Advanced) - clemon@lemsys.UUCP <-home-> +1 519 741 0297  
SCHOOL: calemon@sunee.uwaterloo.ca | Electrical Engineering  
TCP/IP: ve3xcl@ve3xcl.ampr.org [44.135.84.51] | University of Waterloo  
AX.25 Packet: ve3xcl@ve3euk.#SWON.ON.CAN.NA | Waterloo, Ontario, CANADA

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Date: 14 Jul 93 15:03:08 GMT  
From: microsoft!wingnut!edmitch@uunet.uu.net  
Subject: Repeater systems with multiple transmitters  
To: info-hams@ucsd.edu

The paging industry has used massive numbers of simulcast transmitters for years and years. One of my coworkers has described a system in the U.S. northeast that uses 154 simulcasting paging transmitters! This is the only way that paging systems (which are unacknowledged) can provide good coverage and a high probability of page receipt by the end user.

Here in the Seattle area, K7PP plans to add a simulcast repeater to his K7PP/147.20+ repeater. K7PP transmits from 2000+ feet on top of Gold Mtn east of Bremerton and

receives at 4,000+ feet in the Olympics and in downtown Seattle. He plans to add a simulcast transmitter in the Port Townsend area - the 4,000+ ft receiver hears this area well but its not served well by the transmitter.

Ed Mitchell,  
KF7VY

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Date: 14 Jul 93 21:52:17 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!  
ksampath@network.UCSD.EDU  
Subject: RSGB Catalog(ue)  
To: info-hams@ucsd.edu

does anyone have an online version of the RSGB books catalog(ue)?  
would appreciate it if you can mail it or post it.....

73  
krishna

--  
krishna s. sampath....graduate research associate...kss@lenz.eng.ohio-state.edu  
ohio state u, electroscience lab.....(614) 292-7981 (w).....(614) 292-7297 (f)  
1320 kinnear rd, columbus, oh 43212..06/93 ee phd looking for emi/emc/comm. job  
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End of Info-Hams Digest V93 #855  
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